| In | dex of | Claims |  |
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| Application No. | Applicant(s)    |  |
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| 09/276,917      | CHANDRAN ET AL. |  |
| Examiner        | Art Unit        |  |
| Dustin Nguyen   | 2154            |  |

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| Cla  | aim      | Date           |                 |          |        |        |        | Date Claim Date |           |                |       |          |                  |               | ]        |          | Claim Date |  |                  |          |               |            |          |        |  |          |          |           |           |          |
|--|----------|----------------|-----------------|----------|--------|--------|--------|-----------------|-----------|----------------|-------|----------|------------------|---------------|----------|----------|------------|--|------------------|----------|---------------|------------|----------|--------|--|----------|----------|-----------|-----------|----------|
|  | <u>—</u> |                | П               |          |        |        |        |                 |           |                |       | 75       |                  |               |          | П        |            |  |                  | •        |               |            |          |        |  |          |          | П         | T         | $\neg$   |
| Final  | Original | 3/6/05         |                 |          |        |        |        |                 |           |                | Final | Original |                  |               |          |          |            |  | 111              | 1        | Final         | Original   | ı        |        | ŀ  |          |          |           |           | - 1      |
| 造  | Ę        | 3/6            |                 |          | - 1    |        |        |                 |           | : <sub>.</sub> | ίĒ    | ji       |                  |               |          |          |            |  |                  |          | i <u>E</u>    | ij         |          | 1      | ŀ  |          |          |           |           | - 1      |
|  | ٥        |                |                 | ł        |        |        |        |                 |           | ::::           |       | 0        |                  |               |          |          |            |  |                  |          |               | ١          |          |        |  |          |          |           |           |          |
|  | 1        | v              |                 |          |        | $\top$ | T      | Ħ               |           |                |       | 51       |                  |               | 1        |          | _          |  | 7:               |          | 1             | 101        | 十        |        |  |          |          | $\exists$ | $\neg$    |          |
|  | 2        | v              | П               |          |        | ┰      | 1      | $\Box$          | ·         |                |       | 52       |                  | $\top$        | 1        |          |            |  | ٦                | Γ        |               | 102        |          |        |  |          |          |           | $\exists$ |          |
|  | 3        | v              | П               |          | $\top$ |        | 1      | Ħ               |           |                |       | 53       |                  |               |          |          |            |  | 7                |          |               | 103        |          |        |  |          |          | $\exists$ | $\exists$ |          |
|  | 4        | v              |                 |          |        | T      | 1      | Ħ               |           |                |       | 54       |                  |               |          |          |            |  | 7                | Τ        | İ             | 104        |          |        | Ì  |          |          |           | $\exists$ |          |
|  | 5        | v              | H               |          |        |        |        | Ħ               |           | :<br>:.:::     |       | 55       |                  |               | 1        |          |            |  | ٠.               | -        |               | 105        |          |        |  |          |          |           | $\neg$    |          |
|  | 6        | v              | П               |          |        |        | 1      | 1               |           | i.'.           |       | 56       |                  |               | 1        |          |            |  | 7:               |          |               | 106        | $\neg$   |        |  |          | Ì        | $\neg$    | $\neg$    |          |
|  | 7        | v              | П               | T        |        | $\top$ | Τ      | 1               |           | ļ. i.          |       | 57       |                  | $\top$        | $\top$   |          |            | $\sqcap$   | 7                |          |               | 107        |          |        |  |          |          | $\neg$    | $\neg$    |          |
|  | 8        | v              | П               |          |        |        | 1      |                 |           | :              |       | 58       |                  | $\neg \vdash$ |          |          |            |  | 7                | Г        |               | 108        |          |        |  |          |          |           | $\neg$    |          |
|  | 9        | v              | П               |          |        |        | 1      |                 |           | ∺i.            |       | 59       |                  |               | 1-       |          |            |  | 7.:              |          |               | 109        |          | $\neg$ | Т  |          |          |           | $\neg$    |          |
|  | 10       | v              | П               | $\neg$   |        |        |        | 1 1             |           |                |       | 60       |                  | $\top$        | $\top$   |          |            |  | Tŀ               |          |               | 110        |          | 1      |  |          |          |           | $\neg$    | _        |
|  | 11       | v              | $\Box$          | _        | $\neg$ | $\top$ | +      | Ħ               |           | ļ. · '         |       | 61       |                  | $\top$        | $\top$   | 一        | 1          |  | ⊣∵               |          |               | 111        | 十        | 1      | t  |          |          |           |           | $\neg$   |
|  | 12       | v              | П               | $\neg$   |        | +      |        | T               |           |                |       | 62       |                  | $\top$        |          |          | 1          |  | 7                |          |               | 112        |          | 1      | ļ  |          |          | 寸         | $\dashv$  |          |
|  | 13       | v              | П               | _        | +      |        | $\top$ | 1 1             |           | : '            |       | 63       | $\Box$           | $\top$        | $\top$   | $\Box$   |            |  | <b>-</b>         | $\vdash$ |               | 113        | 一        | 1      | 1  |          | $\dashv$ | $\dashv$  | $\dashv$  | _        |
|  | 14       | v              | П               | $\dashv$ | $\top$ | $\top$ | T      | 1 1             |           |                |       | 64       |                  | $\top$        | $\top$   | $\dashv$ | $\top$     |  | <b>-</b>  .:`    | -        |               | 114        | $\neg$   | -      | m  |          |          | _         | $\neg$    | _        |
|  | 15       | v              | Н               | 寸        |        | ╅      | T      | Ħ               |           |                |       | 65       | $\vdash$         | $\top$        | T        |          | 1          | H  | ┥.               | +        |               | 115        | 1        | _      |  |          | -        |           | $\neg$    | _        |
|  | 16       | ٧              | Н               | $\dashv$ | _      | 十      | +      | $\top$          |           |                |       | 66       | $\vdash$         | -             | $\top$   | $\vdash$ | $\top$     |  | ٦                | -        |               | 116        | _        |        | <del>                                     </del> | _        | $\neg$   | _         | $\dashv$  | _        |
|  | 17       | v              | $\Box$          | _        | $\top$ | _      | +      | 1               | _         |                |       | 67       | $\vdash$         | $\dashv$      | +-       |          | $\dashv$   | 1-1-   | $\dashv$         | +        |               | 117        |          | _      | i  | -        | _        | _         | $\neg$    | _        |
|  | 18       | ٧              | ╌┪              | 十        |        | +      | ╅      | 11              |           | i :;           | -     | 68       | 1                | +             | ┿┈       | -        |            |  | <b></b>          | $\vdash$ |               | 118        | $\dashv$ | +      | ╁╌   |          | $\neg$   |           | $\exists$ | $\neg$   |
|  | 19       | v              | $\Box$          | +        | $\top$ | +      | +      | t               |           |                |       | 69       | $\vdash$         | +             | $\top$   | $\dashv$ | <u> </u>   | 1 1  | 7                | $\vdash$ |               | 119        | $\dashv$ | 1      |  |          |          |           | $\exists$ | $\dashv$ |
|  | 20       | v              | H               | 十        | 1      | $\top$ | +      | t               |           |                |       | 70       | $\vdash$         | $\top$        | +        |          |            |  | ⊣ :              | 1        |               | 120        | $\top$   | +      |  | $\vdash$ |          |           | $\dashv$  | $\neg$   |
|  | 21       | v              | H               | $\dashv$ | +      | +      | +      | Ħ               | _         |                |       | 71       | $\vdash$         | +             | +        | $\dashv$ |            |  | -                | $\vdash$ |               | 121        | $\neg$   | +      |  |          | $\neg$   | $\dashv$  | $\dashv$  | -        |
|  | 22       | v              | H               | $\dashv$ | +      | +      | +      | 1 1             | $\dashv$  |                |       | 72       | $\vdash$         | +             | +        |          | +          | 1  | $\dashv$         | $\vdash$ | - 1           | 122        | $\dashv$ | +      | 1  |          | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$ |
| <b>—</b>   | 23       | v              |                 | $\neg$   | +      | +      | +      | H               | $\exists$ | : :::          |       | 73       | $\vdash$         | +             | +        |          |            |  | ⊢i::i            | $\vdash$ | -             | 123        | <u> </u> | +      |  |          | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$ |
| _  | 24       | v              | <del>  </del>   | $\dashv$ | -      | +      | +      | 1-1             |           |                |       | 74       | -                | -             | +        |          |            |  | $\dashv$         | -        |               | 124        |          | -      | <del> </del>                                     | -        |          |           | -         | -        |
|  | 25       | v              | $\Box$          | $\dashv$ |        | +      | +      | +               | _         | : ::::         |       | 75       |                  |               | 1—       | $\dashv$ |            | $\vdash$   | -                | $\vdash$ | -             | 125        | _        | +-     | <del> </del>                                     | -        | -        | $\dashv$  | $\dashv$  | $\dashv$ |
|  | 26       | v              |                 | -        |        | +      | +      | ╁╌┼             | $\dashv$  |                |       | 76       |                  | $\dashv$      | +-       |          |            | ╁  | -::              | -        | -             | 126        |          |        | <del> </del>                                     | -        |          | -         | $\dashv$  |          |
| $\vdash$   | 27       | v              | ┢╾┼             | -+       | +      | +      | ┿      | ++              | _         |                |       | 77       |                  |               | +        |          | _          | <del>     </del>                                 |                  | :        | $\neg$        | 127        |          | +-     |  | Н        |          |           | $\dashv$  | ᅥ        |
|  | 28       | v              |                 | +        | +      | +-     | +-     | ╅═╅             |           |                |       | 78       | -                |               | +        | $\dashv$ |            |  | -                | ŀ        |               | 128        |          | +      | <del>                                     </del> |          | $\neg$   | -         | $\dashv$  |          |
| _  | 29       | ÷              | $\vdash$        | $\dashv$ |        |        | ╅╴     | ╁╌┤             | $\dashv$  |                |       | 79       |                  |               | +        |          |            | ╁═┼╌   |                  | -        | -             | 129        |          | +-     | ┢╾   | -        | $\dashv$ | -         | $\dashv$  | $\dashv$ |
|  | 30       | v              | ╁─┼             | ┰        | -      | ┰      | +-     | ╁╌┤             |           |                |       | 80       | -                |               | ╁        |          |            | ╁═┼  |                  | -        |               | 130        |          | +      | ╁─   | -        | $\dashv$ | -         | $\dashv$  |          |
|  | 31       | Ť              |                 | -+       | +      | +      | +      | +               | $\neg$    |                |       | 81       |                  |               | ╁        |          |            |  | - :-             | -        | -             | 131        | -        | _      | ╁  | $\vdash$ | -        | $\dashv$  | $\dashv$  |          |
| _  | 32       | $\vdash$       | $\vdash$        | $\dashv$ | ٠.     | +      | ╁      | $\vdash$        | $\dashv$  |                |       | 82       | $\vdash$         | +             | +        |          | +          | +  | <b>⊣</b> :       | į⊢       | $\rightarrow$ | 132        | $\dashv$ | +      |  | H        | $\dashv$ | $\dashv$  | $\dashv$  | -        |
|  | 33       | ⊢              |                 | $\dashv$ |        | +-     | ╫      | ╅╼┪             | -         |                |       | 83       | -                | +             | +        |          | -          | $\vdash$   | - ::             | : -      |               | 133        |          | +-     |  |          |          |           | -         | _        |
| <b> </b>   | 34       | ┢              | +               | -+       |        | +      | ╁      | +               |           |                |       | 84       |                  |               | +        |          |            | <del>  -  </del>                                 | -1:              | -        |               | 134        |          | +      | <del> </del>                                     | -        | $\dashv$ | -         | $\dashv$  | $\dashv$ |
|  | 35       | $\vdash$       | $\vdash$        | $\dashv$ | -      | +-     | +      | +               |           |                |       | 85       |                  |               | +-       | -+       |            | +-+  |                  | -        |               | 135        |          |        | <del> </del>                                     | $\vdash$ | $\vdash$ | -         | $\dashv$  | $\dashv$ |
| <u> </u>   | 36       | $\vdash$       | $\vdash \vdash$ | $\dashv$ |        | +      | +      | +-+             |           |                |       | 86       | <del>  - -</del> |               | +-       |          |            | ++   | $\dashv$         | -        |               | 136        |          | +-     | ├  | $\vdash$ | $\vdash$ | -         | $\dashv$  | _        |
| <del>                                     </del> | 37       |                | H               | +        | -+-    | +      | +      | ╁┼              | -         |                |       | 87       | <del>  -</del>   | +             | +        | +        | +          | +  | - ::             | :        |               | 137        | -+-      | +-     | <del>                                     </del> | H        | -        |           | -         | _        |
| <u> </u>   | 38       |                |                 | $\dashv$ |        | +-     | +-     | ╂╌┼             |           |                |       | 88       | <del>  -</del>   | +             | -        |          | +          | $\vdash$   |                  | $\vdash$ |               | 138        |          | +      | ├  |          |          | -         | -         | -        |
|  | 39       | $\vdash$       |                 | -+       | +      | +      | +-     | + +             |           |                | -     | 89       | <del>  -</del>   | - -           | +-       |          | +-         | ┼─┼-   |                  | $\vdash$ |               | 139        | -        | +      | <del> </del>                                     | Н        |          | $\dashv$  | -         | _        |
| $\vdash \vdash \vdash$                           | 40       | ├              | $\vdash$        | +        | +      | +      | +      | +               | -         |                |       | 90       | $\vdash$         | +-            | +        | +        | +          | ++   |                  | $\vdash$ |               | 140        | +        | +      |  |          | $\vdash$ | $\dashv$  | $\dashv$  | -        |
| $\vdash \vdash$                                  |          | $\vdash$       | $\vdash$        | $\dashv$ | +      | +      | +      | +-              |           | . : 1          |       |          | $\vdash \vdash$  | +             | +        | $\dashv$ | +          | $\vdash$   | <b>⊣</b> ∷:      | $\vdash$ | -             |            | $\dashv$ | +-     | ├  | -        |          |           | $\dashv$  | _        |
| $\vdash$   | 41       |                | -               | $\dashv$ | +      | +-     | +      | +               | -         | . : :          |       | 91<br>92 | ├──┼             | +             | $\vdash$ | -+       |            | ┼┼   |                  | $\vdash$ |               | 141<br>142 | +        | +-     | <del> </del>                                     | Н        |          | $\dashv$  | $\dashv$  | _        |
| <del></del>                                      | 42       | <del>  -</del> | $\vdash$        | +        | +      | +      | +      | + 1             | $\dashv$  |                |       | 93       | $\vdash \vdash$  | +             | +        | +        | +          | $\vdash$   | <b>⊣</b> ∷.      | -        | $\dashv$      | 142        | +        | +-     | $\vdash$   | H        |          | $\dashv$  | $\dashv$  | _        |
| $\vdash$   | 44       |                |                 | $\dashv$ | +      | +-     | +      | ╂┈┼             |           | .: 1:          |       | 94       | ├┼-              | +             | +        | -        |            | +  | $\dashv$         | 1        |               | 143        | +        | +      | ┢╾   | Н        |          | $\dashv$  | $\dashv$  | -        |
| $\vdash \vdash$                                  | 45       | $\vdash$       | $\vdash$        | +        | +      | +      | +      | +               | $\dashv$  | 1              |       | 95       | $\vdash \vdash$  | +             | +        | +        | +          | +  |                  | $\vdash$ |               | 145        | +        | +      | ╁  | $\vdash$ | -        | -         | $\dashv$  | _        |
| $\vdash\vdash$                                   | 46       | —              | $\vdash$        | +        | -      | +      | +-     | ╂               |           |                |       | 96       | ╁╼┼              | +             | +-       | -        |            | ┼-┼-   | <del>- </del> :: | 1        |               | 146        | $\dashv$ | +      | <del> </del>                                     |          |          | $\dashv$  | -         | _        |
| $\vdash$   | 47       | <u> </u>       | $\vdash$        | +        | +      | +      | +      | +               | $\dashv$  |                |       | 97       | $\vdash +$       | +             | +-       | +        | +          | ++   | -                | $\vdash$ | -             | 147        | +        | +      |  |          |          | $\dashv$  | $\dashv$  | _        |
| $\vdash\vdash$                                   | 47       | ├              | $\vdash$        | -+       | +      | +      | +      | + +             |           |                |       | 98       | $\vdash$         | +             | +-       | -        |            | <del>                                     </del> |                  | +        |               | 147        |          |        | ├  |          | -        |           | $\dashv$  | _        |
|  | 49       | $\vdash$       | $\vdash$        | +        | +      | +      | +      | + +             | $\dashv$  |                |       | 99       | <del>  -</del>   | +             | +        | -        |            | <del>   </del>                                   | ┥                | $\vdash$ |               | 149        | +        | +      | $\vdash$   | Н        | -        | $\dashv$  | $\dashv$  | -        |
| $\vdash$   | 50       | $\vdash$       | $\vdash$        | $\dashv$ | +      | +      | +      | ╁╌┼             | $\dashv$  |                |       | 100      | ├┼-              | - -           | +        | $\vdash$ | +-         | +  |                  | -        |               | 150        | +        | +      | ╁  | Н        | -        | $\dashv$  | -         | -        |
| لـــــا  | อบ       | L              | Ш               | _L       |        |        |        | أسلا            |           | 11             | l     | 100      | oxdot            |               |          |          |            |  | :.               | L        |               | 120        |          |        |  | لـــا    |          |           | ᆚ         |          |